| **K-8 Computer Technology Scope and Sequence** | **K** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Key: I-Introduce, R-Reinforce, O-On-going** |  |  |  |  |  |  |  |  |  |
| **1 Social, Ethical, and Human Issues** |  |  |  |  |  |  |  |  |  |
| 1.1 Evaluate ways that technology impacts culture and the environment |  |  | I | R | R | O | O |  |  |
| 1.2 Practice responsible use of technology systems, information, and software | I | I | R | R | O | O | O |  |  |
| 1.3 Develop positive attitudes toward technology uses that support lifelong learning, collaboration, personal pursuits, and productivity | I | I | R | R | O | O | O |  |  |
| **2 Keyboarding** |  |  |  |  |  |  |  |  |  |
| 2.1 Use appropriate mouse skills | I | I | I | R | R | O | O |  |  |
| 2.2 Use appropriate keyboarding skills and techniques |  | I | I | R | R | O | O |  |  |
| 2.3 Use the keyboard to interact with applications, software, and the internet | I | I | I | R | R | O | O |  |  |
| **3 Computer Technology Operations & Concepts** |  |  |  |  |  |  |  |  |  |
| 3.1 Recognize, define, and use technology terms, processes, systems, and applications | I | I | I | R | R | O | O |  |  |
| 3.2 Select and use applications effectively and productively | I | I | I | R | R | O | O |  |  |
| 3.3 Diagnose and solve common technology problems | I | I | I | R | R | O | O |  |  |
| **4 Creativity & Innovation** |  |  |  |  |  |  |  |  |  |
| 4.1 Apply knowledge to develop new products using technology | I | I | R | R | O | O | O |  |  |
| 4.2 Create original products to convey ideas or as personal or group expression | I | I | R | R | O | O | O |  |  |
| 4.3 Explore issues or ideas using models or simulations | I | I | I | I | R | R | O |  |  |
| 4.4 Use technology to forecast trends and possibilities |  |  |  |  |  | I | I |  |  |
| **5 Communication** |  |  |  |  |  |  |  |  |  |
| 5.1 Convey ideas to a variety of audiences using digital media and tools |  | I | I | R | R | O | O |  |  |
| 5.2 Contribute to project teams to produce original works or solve problems |  | I | I | I | R | R | R |  |  |
| 5.3 Use technology to interact with others to create cultural and global awareness |  | I | I | I | R | R | R |  |  |
| **6 Research and Information Fluency** |  |  |  |  |  |  |  |  |  |
| 6.1 Use technology to locate, evaluate, select, and manage information and sources |  |  |  | I | R | R | O |  |  |
| 6.2 Ethically use information from a variety of sources to process and present results |  |  |  | I | I | R | R |  |  |
| 6.3 Evaluate and select new resources and technology based on the appropriateness of specific tasks |  |  |  | I | I | R | R |  |  |
| **7 Critical Thinking, Problem Solving, & Decision Making** |  |  |  |  |  |  |  |  |  |
| 7.1 Plan and conduct research for investigation of authentic problems |  |  |  | I | I | R | R |  |  |
| 7.2 Plan and develop solutions individually or with others to answer a question or complete a project |  |  |  | I | I | R | R |  |  |
| 7.3 Derive meaning by evaluating, combining, or extending information using multiple technologies |  |  |  | I | I | R | R |  |  |
|  |  |  |  |  |  |  |  |  |  |